

Name: _____

Date: _____

Section C D F

Intro 1: Intro to Physics

I. Significant Figures

1. How many significant figures are in the following measurements?

- i. 330,000,000 m/s _____
- ii. 22.22 °C _____
- iii. 0.0276 °C _____
- iv. .004 J _____
- v. .5050 MHz _____
- vi. 3.008 s _____
- vii. 0.0002 mm _____

II. Units

1. Fill in the chart below for the prefixes:

<u>Power</u>	<u>Prefix</u>	<u>Abbreviation</u>	<u>Relation (your own explanation)</u>
10^{12}	_____	_____	_____
10^9	_____	_____	_____
10^6	_____	_____	_____
10^3	_____	_____	_____
10^0	_____	_____	_____
10^{-2}	_____	_____	_____
10^{-3}	_____	_____	_____
10^{-6}	_____	_____	_____
10^{-9}	_____	_____	_____

III. Prefixes

1. Convert each of the following to the units shown:

i. 1 millimeter expressed in meters _____ m

ii. 17 grams expressed in micro grams _____ μg

iii. .65 kilometers expressed in centimeters _____ cm

iv. .5 milligrams expressed in grams _____ g

v. 468 micrometers expressed in centimeters _____ cm

vi. 2 hours 10 minutes expressed in seconds _____ s